

Title (en)

TURBINE SECTION OF A GAS TURBINE ENGINE WITH CERAMIC MATRIX COMPOSITE VANES

Title (de)

TURBINENTEIL EINES GASTURBINENTRIEBWERKS MIT SCHAUFELN AUS KERAMISCHEM FASERVERBUNDWERKSTOFF

Title (fr)

SECTION DE TURBINE À GAZ DOTÉE D'AUBES COMPOSITES À MATRICE CÉRAMIQUE

Publication

EP 3670843 B1 20230201 (EN)

Application

EP 19214881 A 20191210

Priority

US 201816230237 A 20181221

Abstract (en)

[origin: EP3670843A1] A turbine section for use in gas turbine engine includes a turbine case, a plurality of gas path components, a vane mount unit, and an inner vane static seal assembly. The turbine vane (34) comprising ceramic matrix composite materials to insulate the metallic materials of the vane mount unit.

IPC 8 full level

F01D 9/04 (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)

F01D 9/042 (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **F05D 2240/12** (2013.01 - US); **F05D 2240/14** (2013.01 - US); **F05D 2260/30** (2013.01 - US); **F05D 2300/6033** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3670843 A1 20200624; **EP 3670843 B1 20230201**; US 10961857 B2 20210330; US 2020200025 A1 20200625

DOCDB simple family (application)

EP 19214881 A 20191210; US 201816230237 A 20181221